



## TRANSMITTAL

Applicant : Zhu, et al.  
App. No. : 09/318,073  
Filed : May 25, 1999  
For : THIN FILM MEMORY  
DEVICE HAVING LOCAL  
AND EXTERNAL  
MAGNETIC SHIELDING  
Examiner : Andujar, Leonardo  
Art Unit : 2826

## CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 24, 2004

(Date)

Michael S. Okamoto, Reg. No. 47,831

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified application are the following enclosures:

- (X) A Supplemental Information Disclosure Statement; PTO-1449 form listing 14 references which are enclosed.
- (X) A check in the amount of \$180 for IDS fee is enclosed.
- (X) Return prepaid postcard.
- (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Michael S. Okamoto  
Registration No. 47,831  
Attorney of Record  
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(310) 551-3450

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant : Zhu, et al.  
App. No. : 09/318,073  
Filed : May 25, 1999  
For : THIN FILM MEMORY DEVICE  
HAVING LOCAL AND EXTERNAL  
MAGNETIC SHIELDING  
Examiner : Andujar, Leonardo  
Group Art Unit : 2826

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 14 references that are also enclosed. Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(c)(2) before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 24, 2004

By: Michael Okamoto

Michael S. Okamoto  
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MICRON.196CP1APPLICATION NO.  
09/318,073INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Zhu, et al.FILING DATE  
May 25, 1999GROUP  
2826

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,661,062	8/26/97	Prinz			
	5,861,328	1/19/99	Tehrani et al.			
	5,902,690	5/11/99	Tracy et al.			
	5,940,319	8/17/99	Durlam et al.			Aug. 31, 1998
	5,956,267	9/21/99	Hurst et al.			Dec. 18, 1997
	6,048,739	4/11/00	Hurst et al.			Dec. 18, 1997
	6,165,803	12/26/00	Chen et al.			May 17, 1999
	6,510,078 B2	01/21/03	Schwarzl			
	6,580,636 B2	06/17/03	Thewes et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 2000 090658 A	3/31/00	Japan (Abstract)			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Prinz, "Magnetoelectronics", Science Magazine, Vol. 282, Nov. 27, 1998.
	Wang et al., Feasibility of Ultra-Dense Spin-Tunneling Random Access Memory, IEEE Transactions on Magnetics, Vol. 33, No. 6, Nov. 1997.
	Lee, Chih-Ling, "A Study of Magnetoresistance Random-Access Memory," date unknown
	Kaakani, H. "NON-VOLATILE MEMORY (MRAM) ANXXX," [online], Honeywell, March 1999 [retrieved on November 19, 2001]. Retrieved from the Internet: <URL: www.ssec.honeywell.com/avionics/h_gmr.pdf>

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EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	